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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Data Considered

Sneet	1		OI	3	Attorney Docket Number	0491.P0/6
			U.S. PATE	NT DOCUMENTS	S	
Examiner Initials*	Cite No.1	Numt	Document Number per-Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-	4,679,227	7/7/1987	Hughes-Hartogs, Dirk	
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°	

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	reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not copy of this form with next communication to applicant. "Applicant's unique citation designation number (optional). "See Kinds Codes of
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Considered. Include copy on its norm win next communication to applicable, applicable supplication supplications are designated manager as exercise. Source USEYTO Patent Documents at www.uspip gov or MPEP 90.104. "Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3)," For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. "Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible." Applicant is to place a check mark here if English language translation is attached.

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This collection of information is required by 37 CFR 1,97 and 1,98. The information is required to obtain or retain a benefit by the public which is to file (and by the USFPO to process) an application. Confidentiality is governed by \$5 U.S. C. 122 and 37 CFR 1,14. This collection is estiled to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form andors usgestence for reducing this budden, should be sufficient to the Clief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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STATEMENT BY APPLICANT
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 Complete if Known

 Application Number
 10/773.054

 Filling Date
 February 4, 2004

 First Named Inventor:
 Hossein Sedarat

 Art Unit
 2611

 Examiner Name
 Zheng, Eva Y.

 Attorney Docket Number
 6491.P076

Date

(use as many sneets as necessary)

Sheet 2 of 3 Attorney Docket Number 6

	_	NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the ltem (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, (tily and/or country where published	7
		SEDARAT, HOSSEIN, et al., "Impulse Noise Protection for Multi-Carrier Communication Systems", Submitted to IEEE ICASSP (2005).	
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		FISCHER, ROBERT F.H., et al., "A New Loading Algorithm for Discrete Multitone Transmission," IEEE, 1996, pp. 724-728.	
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		HENKEL, WERNER, ET AL., "Maximizing the Channel Capacity of Multicarrier Transmission by Sultable Adaptation of the Time-Domain Equalizer," IEEE, Vol. 48, no. 12, December 2000.	
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INFO	ВМАТ	LION L)ISC	LOSURE	Application Number	10/773,054	
l .					Filing Date	February 4, 2004	
SIAI				PLICANT	First Named Inventor:	Hossein Sedarat	
	(use as i	many sheets	as neces	sary)	Art Unit	2611	
					Examiner Name	Zheng, Eva Y.	
Sheet	3		of	3	Attorney Docket Number	6491.P076	
				NON PATENT LIT	ERATURE DOCUMENTS		
Examiner Initials*	Cite No ¹	item	(book, n	nagazine, journal, se number(s), publ	rial, symposium, catalog, etc.), isher, city and/or country where	e published	T ²
		FARHANG-BOROUJENY, BEHROUZ, et al., "Design Methods for Time-Domain Equalizers in DMT Transceivers," IEEE, Vol. 49, No. 3, March 2001, pp. 554-562.					
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AHMED, NADEEM et al., "Optimal Transmit Spectra for Communication in the Presence of Crosstalk

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